

Applicant: William Zahavi.  
U.S.S.N.: 09/965,431  
Filing Date: September 27, 2001  
EMC Docket No.: EMC-01-160

## REMARKS

This amendment is in response to the Office Action mailed October 21, 2005.

Claims 1-3, 5-15 and 17-37 were pending. Claims 1-3, 10-15 and 22-25 stand rejected.

Claims 5-9 and 17-21 are objected to but would be allowable if rewritten in independent form.

Claims 25- 37 are allowed.

The claims and drawings have been amended to address the concerns raised by the Examiner. Applicant requests reconsideration and removal of the claim rejections.

### **Objection to the Specification:**

The disclosure has been objected for containing informalities. More specifically, the Office Actions raises the question whether the term RAID-S, on page 13, line 12 and page 16, line 22, should be RAID-5?

Applicant thanks the examiner for his observation. However, Applicant believes that the term RAID-S is the proper term, as the disclosure specifically recites that the “EMC Symmetrix employs a Raid scheme known as Raid-S, wherein a parity calculation is based on an Exclusive Or (XOR) boolean logic function.” (see page 13, lines 11-13). Furthermore, the RAID-S format is known in the art as acknowledged by the Wikipedia, The Free Encyclopedia, states “RAID-S is EMC Corporation’s proprietary striped parity RAID system used in their Symmetrix storage system.” [http://en.wikipedia.org/wiki/Redundant\\_array\\_of\\_independent\\_disks](http://en.wikipedia.org/wiki/Redundant_array_of_independent_disks).

Accordingly, Applicant believes that the term RAID-S is the proper term and elects not to amend the specification at this time.

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Having shown that the term RAID-S is correctly identified in the specification, Applicant believes that the reason for the objection has been overcome and respectfully requests that the objection be withdrawn.

### **Objection to the Drawings**

The drawings are objected to because “there is no element ‘510’ in figure 3” (which Applicant believes to be a reference to figure 13), figures 6, 13 and 15 uses the term “RAID-S,” and the reference to RAID-1 is not shown selected.

With regard to the term “RAID-S,” Applicant believes that this term is correct as shown with regard to the objection to the specification and elects not to amend the suggested figures.

With regard to the typographical error noted in Figure 13, Applicant thanks the examiner for his observation and has provided a Replacement Sheet properly annotated, in red ink, drawing of Figure 13 to show the amendment made. No new matter has been added. Support for the amendment may be found on at least page 12, lines 14-15, which state “Screen area 510 includes fields for entering Application ID, and fields for indicating ‘Active Data’, ‘Indices,’ ‘Logs,’ and ‘Inactive Data..’”

With regard to Figure 15, Applicant thanks the examiner for his observation and has provided a Replacement Sheet properly annotated, in red ink, drawing of Figure 15 to show the amendment made.

For the examiner’s convenience, a full set of Formal drawings are provided which contain the amendments made to Figures 13 and 15. No other changes have been made.

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Having amended the drawings to correct the typographical errors noted, Applicant believes that reason for the objection has been overcome and respectfully requests that the drawings be entered and the objection be withdrawn.

Applicant thanks the examiner for the indication of allowable subject matter in Claims 25-37 and 5-9 and 17-21 if written in independent form and has amended independent Claims 1 and 13 to include the subject matter recited in Claims 5 and 17, respectively.

Having amended Claims 1 and 13 to include the subject matter recited in Claims 5 and 17, respectively, Applicant believes that the independent claims are in a form that comport to the examiner's indication of allowable subject matter.

With regard to Claims 2, 3, 6-12, 14, 15, and 18-24 ultimately depend from Claims 1 and 13, respectively, and, hence, are allowable by virtue of their dependency upon an allowable base claim. Although, Claims 2, 3, 10, 11, 12, 14, 15, 14, 15, 22, 23 and 24 are not specifically referred to as being allowable, Applicant submits that these claims are allowable by virtue of their dependency upon the amended base claims.

#### **Claim Rejections - 35 U.S.C. § 102**

Claims 1-2, 10-14, and 22-24 stand rejected under 35 U.S.C. 102(b) as being anticipated by Frazier (6,078,990).

Applicant respectfully disagrees with the reason recited for rejecting the claims. As argued above Claims 1 and 13 have been amended to include the subject matter recited in Claims 5 and 17, respectively, and are in a form consistent with the examiner's indication of allowable subject matter.

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With regard to the remaining aforementioned claims, these claims depend from Claims 1 and 13, respectively. Hence these claims are also allowable by virtue of their dependency upon an allowable base claim.

For at least this reason, Applicant believes that the reason for the rejection of the aforementioned claims has been overcome and respectfully requests that the rejection be withdrawn.

**Claim Rejection - 35 U.S.C. §103**

**Claims 3 and 15 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Frazier in view of Voight (USP no. 5,623,598).**

Applicant respectfully disagrees with the reason recited for rejecting the claims. Claims 3 and 15 depend from Claims 1 and 13, respectively, which as argued above have been amended to include the subject matter recited in Claims 5 and 17, respectively, and are in a form consistent with the examiner's indication of allowable subject matter.

Accordingly, Claims 3 and 15 are also allowable by virtue of their dependency upon an allowable base claim.

For at least this reason, Applicant believes that the reason for the rejection of the aforementioned claims has been overcome and respectfully requests that the rejection be withdrawn.

In view of the foregoing, the Applicant believes that the application is in condition for allowance and respectfully request favorable reconsideration.

In the event the Examiner deems personal contact desirable in the disposition of this case, the Examiner is invited to call the undersigned attorney at (508) 293-6985.

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Please charge all fees occasioned by this submission to Deposit Account No. 05-0889.

Respectfully submitted,

Dated: November 29, 2005

Robert Kevin Perkins  
Robert Kevin Perkins, Esq. (Reg. No.36,634)  
Attorney for Applicant  
EMC Corporation  
Office of General Counsel  
176 South Street  
Hopkinton, MA 01748  
Telephone: (508) 293-6985  
Facsimile: (508) 293-7189

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**Amendments To The Drawings:**

The attached sheets of drawings include changes to Figures 13 and 15.

Figure 13 has been amended to remove the label 580 and replace it with label 510, which is referred to in the written description.

Figure 15 has been amended to include an indication (a partially filled button) to indicate RAID-1 has been selected.

Attachment: Replacement Sheets  
Annotated Sheets Showing Changes



Configuration Tool

File	Find	View	Help
502	503	504	505
506	507	508	509
Disks Counting			
Connection			
Storage Area Network			
510	511	512	513
514	515	516	517
Workload Characterization			
518	519	520	521
522	523	524	525
Summary			
526	527	528	529
530	531	532	533
534	535	536	537
538	539	540	541
542	543	544	545
546	547	548	549
550	551	552	553
554	555	556	557
558	559	560	561
562	563	564	565
566	567	568	569
570	571	572	573
574	575	576	577
578	579	580	581
582	583	584	585
586	587	588	589
590	591	592	593
594	595	596	597
598	599	600	601
602	603	604	605
606	607	608	609
610	611	612	613
614	615	616	617
618	619	620	621
622	623	624	625
626	627	628	629
630	631	632	633
634	635	636	637
638	639	640	641
642	643	644	645
646	647	648	649
650	651	652	653
654	655	656	657
658	659	660	661
662	663	664	665
666	667	668	669
670	671	672	673
674	675	676	677
678	679	680	681
682	683	684	685
686	687	688	689
690	691	692	693
694	695	696	697
698	699	700	701
702	703	704	705
706	707	708	709
710	711	712	713
714	715	716	717
718	719	720	721
722	723	724	725
726	727	728	729
730	731	732	733
734	735	736	737
738	739	740	741
742	743	744	745
746	747	748	749
750	751	752	753
754	755	756	757
758	759	760	761
762	763	764	765
766	767	768	769
770	771	772	773
774	775	776	777
778	779	780	781
782	783	784	785
786	787	788	789
790	791	792	793
794	795	796	797
798	799	800	801
802	803	804	805
806	807	808	809
810	811	812	813
814	815	816	817
818	819	820	821
822	823	824	825
826	827	828	829
830	831	832	833
834	835	836	837
838	839	840	841
842	843	844	845
846	847	848	849
850	851	852	853
854	855	856	857
858	859	860	861
862	863	864	865
866	867	868	869
870	871	872	873
874	875	876	877
878	879	880	881
882	883	884	885
886	887	888	889
890	891	892	893
894	895	896	897
898	899	900	901
902	903	904	905
906	907	908	909
910	911	912	913
914	915	916	917
918	919	920	921
922	923	924	925
926	927	928	929
930	931	932	933
934	935	936	937
938	939	940	941
942	943	944	945
946	947	948	949
950	951	952	953
954	955	956	957
958	959	960	961
962	963	964	965
966	967	968	969
970	971	972	973
974	975	976	977
978	979	980	981
982	983	984	985
986	987	988	989
990	991	992	993
994	995	996	997
998	999	999	999

Configuration Tool

File Find View Help

Disks Counting

Connection

Storage Area Network

Workload Characterization

Summary

IO Activity Adjusted for Protection

Workload Index Application ID Data type Number of devices FE IO/sec MB/sec IO/sec MB/sec Remote IOs/sec

1	Active date	12345.2	944.3	25878	503.44	
2	Active date	12345.2	172.15	12939	251.72	
	Active date	12345.2	172.15	12939	251.72	

FIG. 13

14/16

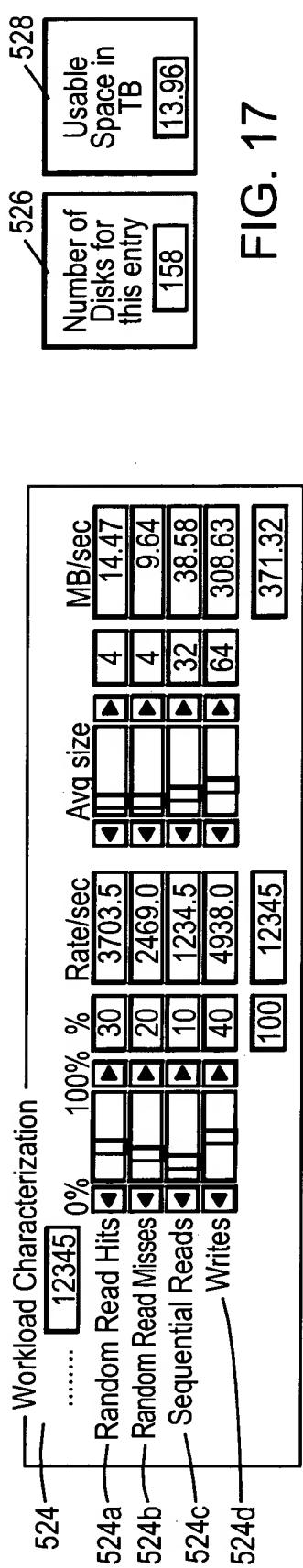


FIG. 17

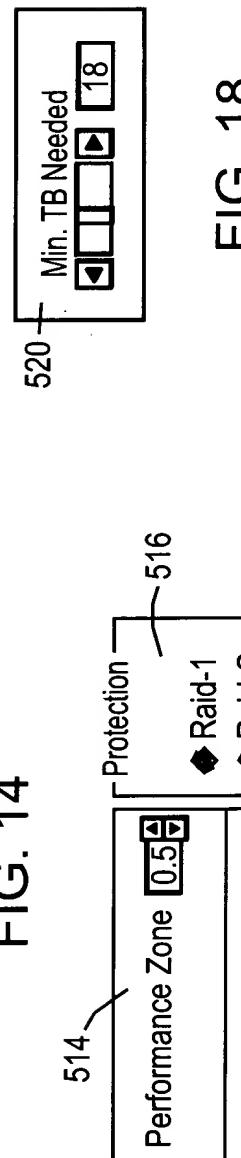


FIG. 18

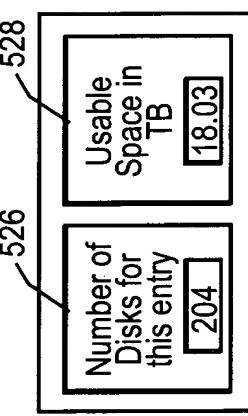


FIG. 19